## ISSUE SLIP STAPLE AREA (for additional cross references)

| bGetter H                 | INITIALS | י, טו'. | DATE       |  |  |  |  |  |
|---------------------------|----------|---------|------------|--|--|--|--|--|
|                           |          | 12_900  | (N) (A) 3/ |  |  |  |  |  |
| FEE DETERMINATION         | 10       |         | 04-10-01   |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          | 49      | 5/2/01     |  |  |  |  |  |
| FORMALITY REVIEW          | ew       | 949     | 5/1570)    |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |         | ,          |  |  |  |  |  |
|                           |          |         |            |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

|          | Out Date |              |                |   |                |                |  | ì  | Claim        |            |          |    |  | Date          |                  |  |          |          |              | Cir          | aim        |          | Date       |  |               |                    |                |  |  |          |          |
|----------|----------|--------------|----------------|---|----------------|----------------|--|--|--------------|------------|----------|----|--|---------------|------------------|--|----------|----------|--------------|--------------|------------|----------|------------|--|---------------|--------------------|----------------|--|--|----------|----------|
| Cla      |          | _            |                | _   |                | Dat            | e  | г—   |              |            |          |    |  | $\overline{}$ |                  | 1  | 1        | υa       | ie.          | 1            | <b>-</b> 1 |          | -          | -  | $\overline{}$ | $\overline{}$      | Т              | I  | Ja                                     | Ī        | т        |
| Final    | Original | إلمالما      | 11ૠબા          |   |                |                |  |  |              |            |          |    | Final  | Original      |                  |  |          | !        |              |              |            |          |            | lual   | Original      |                    |                |  |  |          |          |
| ᄪ        | ይ        | હ્યું        | ۴,             | _   | ┡              | <u> </u>       |  | <u> </u>   | _            | _          | _        | 1  | 쁘  | 51            | +-               | ┢  | $\vdash$ | ⊢        |              |              |            | +        | ┨          | <u> </u>   | 101           | +                  | ┢              | ┝  | ├                                      | ⊢        | t        |
| <u> </u> | 1        |              | V,             | -   | <del> </del> — | <u> </u>       | -  | H  | $\vdash$     | ├          |          | l  | $\vdash$                                     | 52            | +-               | ┢  | -        | ├        | -            |              | Н          | +        | 4          | $\vdash$   | 102           | +                  | <del>  -</del> | ├-   | ╁                                      | ⊢        | H        |
| <u> </u> | 2        | V,           | V,             | _   | -              | -              | H  | ⊢  | <u> </u>     | ├—         | -        |    | $\vdash$                                     | 53            | +                | -  |          | ├        | -            |              | $\vdash$   | -        | -          | -  | 103           | -                  | ╁              | ⊢  | $\vdash$                               | ⊢        | ╁        |
| L        | <u> </u> | $V_{j}$      | <b>√</b>       | $ldsymbol{ld}}}}}}$ | <u> </u>       | _              |  | L_   | <u> </u>     | _          | Ш        |    | L  |               |                  | ┞  | <u> </u> | <u> </u> |              |              | _          | -        | 4          | <u> </u>   |               | ļ                  | ┡              | ├-   | ╀╌                                     | ├        | ╀        |
|          | 4        | K,           | $\checkmark$   | L   | <u> </u>       | L_             |  | _  |              | <u> </u>   | _        |    | _  | 54            | +                | <u> </u>   | <u> </u> | <u> </u> |              |              | $\vdash$   |          | -          | -  | 104           | ┾-                 | ⊢              | ┢  | ┝                                      | ┝        | ╀        |
| Ŀ        | 5        | $\mathbf{Z}$ | _              |   | L              | L              |  | _  |              | <u>L</u> . |          | ŀ  | _  | 55            |                  |  | <u> </u> | <u> </u> | ļ            |              |            |          | 4          | <u></u>  |               | ⊢                  | ├—             | ⊢  | ⊢                                      | ⊢        | ╀        |
| L.       | 6        | V            | ✓              |   | L              | L              |  | _  |              | L          |          |    | _  | 56            |                  |  | <u> </u> | _        | L            | L_           |            |          | 4          | <u></u>  | 106           | Ŀ                  | <u> </u>       | <del> </del>                                     | ↓_                                     | ـــ      | Ļ        |
|          | 7        | $\nu$        | <b>√</b>       | Ĺ   | <u></u>        | <u> </u>       | <u> </u>   |  |              | L          |          | ļ  |  | 57            |                  | <u>L</u>   | Ŀ        | _        |              |              | Щ          |          | 4          | $\vdash$   | 107           | $\perp$            | _              | <u> </u>   | ļ                                      | ╙        | Ļ        |
|          | 8        | 1            | V.             |   |                | _              | <u> </u>   | L.   |              |            |          |    | L  | 58            | Щ.               | _  |          | _        | Ŀ            |              |            | $\perp$  | 4          | $\vdash$   | 108           | $oldsymbol{\perp}$ | <u> </u>       | <u> </u>   | ــــــــــــــــــــــــــــــــــــــ | oxdot    | Ļ        |
| Г        | 9        | V            | V              |   | L              |                |  | l  |              |            |          |    |  | 59            |                  | _  |          |          | $oxed{oxed}$ |              | Ш          |          | ╛          | L  | 109           | L                  | ļ              | _  | $oldsymbol{\perp}$                     | 上        | Ļ        |
| Г        | 10       | V            | $\nabla$       |   | Γ              |                |  | [  |              |            |          |    |  | 60            |                  | L.   | _        |          |              |              |            | $\Box$   | ╛          | $oxed{L}$  | 110           |                    | L.             | _  | ┖                                      | L        | L        |
|          | 11       | V            | <b>V</b>       |   |                | Γ              |  |  |              |            |          |    |  | 61            | 1_               |  |          |          | L            |              |            |          | ╛          | L  | 111           | <u> </u>           | _              |  |  | L        | L        |
|          | 12       | Vi           | V              |   |                |                | Г  | Г  |              |            |          |    |  | 62            |                  |  |          |          |              |              |            |          |            |  | 112           |                    | L              |  | L                                      | <u>_</u> | L        |
|          | 13       |              | 17             |   | Г              |                |  |  | Г            |            |          | 1  |  | 63            |                  |  | Π.       |          |              |              |            |          |            |  | 113           |                    | L              | L  | L                                      | L        | L        |
|          | 13       |              | 17             |   | T              | <u> </u>       |  |  |              |            |          | 1  |  | 64            |                  |  |          |          |              |              |            |          | 7          |  | 114           |                    | Γ              | Γ  | Π                                      |          |          |
| $\vdash$ | 15       |              | 17             | 1   | T              |                | T  |  | H            |            |          | 1  | Г  | 65            |                  |  |          |          |              | Г            |            | Π"       | 7          |  | 115           |                    |                |  | П                                      | П        | Γ        |
| 一        | 16       | 7            | 1              | 1   | Т              | Ħ              | <del> </del>                                     | Т  | $\vdash$     |            | -        | 1  |  | 66            |                  | Г  |          |          |              |              |            |          | 7          |  | 116           |                    | Г              | Π  |  | П        | Γ        |
|          | 17       | <b>-</b>     | <del>  Y</del> | ┢   | +-             | $\vdash$       | <del>                                     </del> | _  | Т            | Н          | -        | 1  |  | 67            | 1                | T  |          |          |              | Ι.           |            |          | 1          |  | 117           | T                  | Г              |  | П                                      | П        | Γ        |
| Ή        | 18       | $\vdash$     | ├-             | ┢   | $\vdash$       | <del>  -</del> | ╁╌   | <del>                                     </del> | Н            | -          | Н        | 1  | П  | 68            | -                |  |          | $\vdash$ |              | Г            |            |          | ٦.         |  | 118           |                    |                |  |  |          | T        |
| -        | 19       | ┢            | ├-             | ╁   | $\vdash$       | +-             | <del> </del>                                     |  | -            |            | ┢        | ł  | $\vdash$                                     | 69            | +                |  | -        |          |              |              |            | $\top$   | ┨          | $\vdash$   | 119           | T                  |                |  |  |          | t        |
| $\vdash$ | 20       | ⊢            | ⊢              | ┢   | ╁              | $\vdash$       | ┢  | <del> </del>                                     | ┢            | $\vdash$   |          | 1  | H  | 70            | +                | ├  |          |          |              | ├─           | H          | +        | ┨          | -  | 120           | $\top$             | 1              | T  | H                                      | 1        | t        |
| $\vdash$ | -        | <u> </u>     | ⊢              | ┞   | <b>├</b>       | _              | <u> </u>   | -  | ⊢            | -          | <u> </u> | 1  |  | $\rightarrow$ |                  | -  | $\vdash$ | ⊢        | ├            |              | <u> </u>   | +        | $\dashv$   | $\vdash$   | 121           | ╁                  | ├              | ╁  | ╂─                                     | $\vdash$ | ╁        |
| $\vdash$ | 21       | ╙            | <u> </u>       | <u> </u>  | ⊢              | ├-             | ╀  |  | ├-           | -          | $\vdash$ | ļ  | ⊢  | 71            | +                | ┝  | -        | -        | _            | <u> </u>     | $\vdash$   |          | ┨          | -  | 122           | ╁╌                 | $\vdash$       | $\vdash$   | $\vdash$                               | ├        | t        |
| $\vdash$ | 22       | _            | <u> </u>       | <u> </u>  | <del> </del> _ | _              | <u> </u>   | Ļ  | _            | L          | <u> </u> |    | Н  | 72<br>73      | +                | ├  | -        | <u> </u> | -            |              | Н          | $\dashv$ | -          | -  | 123           | ╄                  | ļ              | ┢  | ├                                      | ⊢        | ╀        |
| $\vdash$ | 23       | _            | <u> </u>       | ļ   | L              | ļ              | ļ  | <u> </u>   | ┖            | L.         | <u> </u> |    | Щ  |               | +                |  | <u> </u> | <u> </u> | _            | <u> </u>     | _          |          | 4          | $\vdash$   | 124           | ļ                  | -              | ┢  | ⊢                                      | ├        | ╄        |
| L        | 24       |              | L              | <u> </u>  | Ļ.,            | _              |  | ∟.   | _            | _          | <u> </u> |    |  | 74            | +                | ┡  |          | <u> </u> | L            | <u> </u>     |            |          | 4          | -  |               | -                  | H              | ⊢  | ⊢                                      | ⊢        | ╀        |
| L        | 25       | L            | ᆫ              |   |                | ļ              | _  | L.   |              | <u> </u>   | <u> </u> |    | Ŀ  | 75            | $\bot$           | <u> </u>   | ļ        | <u> </u> | <u> </u>     |              |            | $\perp$  | 4          | <b>—</b>   | 125           |                    | ┡              | ⊢  | <u> </u>                               | -        | Ļ        |
| L        | 26       | L            | <u> </u>       |   |                | _              | <u> </u>   | L  |              |            | <u> </u> |    |  | 76            | 4                | Ļ.   | ļ        | _        | <u> </u>     | _            | Ш          |          | 4          | _  | 126           | -                  | ┞              | <u> </u>   | ļ                                      | <u> </u> | L        |
|          | 27       |              | L              | L   |                |                | L  | _  | L            | <u>L</u>   | <u> </u> |    |  | 77            | <u> </u>         |  | _        | <u> </u> | L            |              |            | Ц.,      | 4          |  | 127           | ↓_                 | <u> </u>       | <u> </u>   | ļ                                      | ╙        | L        |
|          | 28       |              | <u> </u>       |   |                |                | L  |  | L            |            |          |    |  | 78            |                  | <u> </u>   | L        |          |              |              |            | $\perp$  | <b>」</b> ⁻ |  | 128           | ↓_                 | <u> </u> _     | ╙  | _                                      | <u> </u> | Ļ        |
|          | 29       |              |                | L   | ļ.,_           |                | L.   | _  |              | L          |          |    |  | 79            |                  | L  | <u> </u> | L        | _            |              | Ш          |          | -          |  | 129           | <u> </u>           | <u> </u>       | ┖  | <u> </u>                               | L        | Ļ        |
| $\Gamma$ | 30       | [            | $I_{-}$        |   |                |                |  | L  |              |            |          |    |  | 80            |                  |  | _        | _        |              | _            | Ш          | 1        | _          | _  | 130           | ╙                  | _              | <u> </u>   | L                                      | <u> </u> | L        |
|          | 31       |              |                |   |                |                |  |  |              |            |          | ]  |  | 81            | Ш.               |  |          |          | L            |              | Ш          |          | 1          |  | 131           | _                  |                | L.   | _                                      | ╙        | L        |
|          | 32       |              |                |   |                |                | L  |  |              |            |          |    |  | 82            |                  | <u> </u>   |          | L        | L            | Ŀ            | Ш          | $\perp$  | 1          |  | 132           | <u> </u>           | <u>_</u>       |  | _                                      | $\vdash$ | L        |
|          | 33       |              | Г              |   |                |                |  |  |              | L          |          | ]  |  | 83            |                  | L  | _        | L        | L            | <u> </u>     | Ш          |          |            |  | 133           | 1_                 | _              | <u> </u>   | _                                      | $\vdash$ | L        |
|          | 34       |              |                | Γ   |                |                |  |  |              |            |          |    |  | 84            |                  | L  |          |          |              |              |            | $\perp$  |            | $ldsymbol{ld}}}}}}$ | 134           | L                  |                |  |  | L        | L        |
|          | 35       |              |                | Π   | Г              | Γ              | _  |  |              |            |          |    |  | 85            |                  | L  |          | L        |              |              |            |          |            |  | 135           | L                  | <u></u>        | Щ.   | <u></u>                                | 匚        | L        |
|          | 36       |              | 1              | Π   | 1              | Π              | П  | Г  |              |            |          | 1  |  | 86            | $\mathbf{I}^{-}$ | $\Box$   |          |          |              |              |            | $\perp$  |            |  | 136           |                    | L              | Ľ  |  | _        | L        |
|          | 37       | Γ            | 1              | Г   |                |                | Π  | Г  | Γ            |            |          |    |  | 87            |                  |  |          |          |              | L            |            |          |            | L  | 137           | L                  |                | L  |  | $\Box$   | Ĺ        |
| -        | 38       | T            | 1              | l   | t              |                |  | Г  | Γ            |            |          |    |  | 88            | $\top$           |  | Ī .      |          |              |              |            |          |            |  | 138           |                    | L              |  |  |          | Ĺ        |
| $\vdash$ | 39       | Т            | Т              | Π   | Т              | 1              |  | Г  |              |            | Γ        | 1  |  | 89            |                  | Г  |          |          |              |              |            |          |            |  | 139           | $\Gamma$           |                |  |  |          | Γ        |
| $\vdash$ | 40       | Т            | T              | t   | t              | Τ              | T  |  |              | Т          |          | 1  |  | 90            | $\top$           | Π  |          |          |              | <u> </u>     | П          | $\neg$   | 1          |  | 140           | Π                  |                |  | Г                                      |          | Γ        |
| $\vdash$ | 41       | $\vdash$     | $\vdash$       | $\vdash$  | ┢              | <del> </del>   | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$ | 1  | $\vdash$                                     | 91            | +                | <del>                                     </del> |          | $\vdash$ |              | $\vdash$     | $\vdash$   |          | 1          |  | 141           | T                  | -              | ┰  |  | Г        | T        |
| $\vdash$ | 42       | -            | $\vdash$       | $\vdash$  | $\vdash$       | $\vdash$       | $\vdash$   | $\vdash$   | -            |            | $\vdash$ | 1  | $\vdash$                                     | 92            | +                | $\vdash$   |          | -        | $\vdash$     | $\vdash$     | $\vdash$   | +        | 1          |  | 142           | $\vdash$           | $\vdash$       | <del>                                     </del> | H                                      | H        | H        |
| -        | 43       |              | $\vdash$       | $\vdash$  | ├              | $\vdash$       | $\vdash$   | ⊢  | ⊢            | ├          | ├-       | 1  | $\vdash$                                     | 93            | +                | $\vdash$   |          | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   | +        | 4          |  | 143           | +                  | $\vdash$       | $\vdash$   | $\vdash$                               |          | H        |
| $\vdash$ |          | _            | <u> </u>       | $\vdash$  | Ͱ              | ├              | $\vdash$   | ⊢  | <del> </del> |            | $\vdash$ | 1  | $\vdash$                                     | -             |                  | $\vdash$   | $\vdash$ | $\vdash$ | ⊢            |              | Н          | +        | +          | $\vdash$   | 144           | +                  |                | -  |  | $\vdash$ | H        |
| $\vdash$ | 44       | _            | -              | <u> </u>  | $\vdash$       | <u> </u>       | <u> </u>   | <b>⊢</b>   | <u> </u>     | _          | <u> </u> | l  |  | 94            | +-               | <del> </del>                                     | <u> </u> | $\vdash$ | _            |              | H          | $\dashv$ | +          | $\vdash$   | 145           | $\vdash$           | $\vdash$       | ├  |  | H        | $\vdash$ |
| L        | 45       | <u> </u>     | <u> </u>       | <u> </u>  | <u> </u>       | ļ              | _  | ــــ   | <b> </b>     | <u> </u>   | $\vdash$ | ļ  | $\vdash$                                     | 95            |                  | <del> </del>                                     | <u> </u> | ⊢-       |              | <del> </del> | $\vdash$   |          | 4          |  |               | ₩                  | -              | <del> </del>                                     |  | $\vdash$ | $\vdash$ |
| L        | 46       | <u> </u>     | <u> </u>       | <u> </u>  | <u> </u>       | _              | <u> </u>   | ⊢  | <u> </u>     | <u> </u>   | $\vdash$ | 1  | <u> </u>                                     | 96            | +-               | <b>—</b>   | $\vdash$ | $\vdash$ | <u> </u>     |              | Н          | -        | 4          |  | 146           | $\vdash$           | ├-             | ├-   | $\vdash$                               | $\vdash$ | ⊢        |
| L        | 47       | L_           | $\vdash$       | <u> </u>  | _              | <u>Ļ</u> .     | <u> </u>   | $\vdash$   | _            | _          | 上        | ļ  |  | 97            |                  | ļ  | <u> </u> | <u> </u> | _            | <u> </u>     | Ш          | -        | 4          |  | 147           | 1                  | $\vdash$       | $\vdash$   | <b> </b>                               | $\vdash$ | L        |
| L        | 48       | _            | L              | Ļ   | _              | <u> </u>       | <u> </u>   | L  | <u></u>      | _          | _        | 1  | <u>                                     </u> | 98            |                  | <u> </u>   | <u> </u> | <u> </u> | _            | <u> </u>     | $\vdash$   | -        | 4          |  | 148           | ļ                  | <u> </u>       | _  | <u> </u>                               | $\vdash$ | $\vdash$ |
| $\vdash$ | 49       | L            | _              | <u> </u>  |                |                | <u> </u>   | L_   | _            | <u>L</u>   |          | Į, | Щ  | 99            | $\bot$           | <u> </u>   | <u> </u> | <u> </u> | ļ            | <u> </u>     | Н          | -        | 4          |  | 149           |                    | <u> </u>       | ⊢  |  | $\vdash$ | $\vdash$ |
| 1        | 50       | 1            | 1              | 1   | 1              | Ι -            | Ī  | 1  | 1            | 1          | l        | ١١ | 1  | 100           | - 1              | 1  | ı        | ı        | l            | I            |            | 1        | 1          | 1  | 150           | 1                  | ı              | i  | l                                      | 1 1      | i        |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)

BEST AVAILABLE COPY